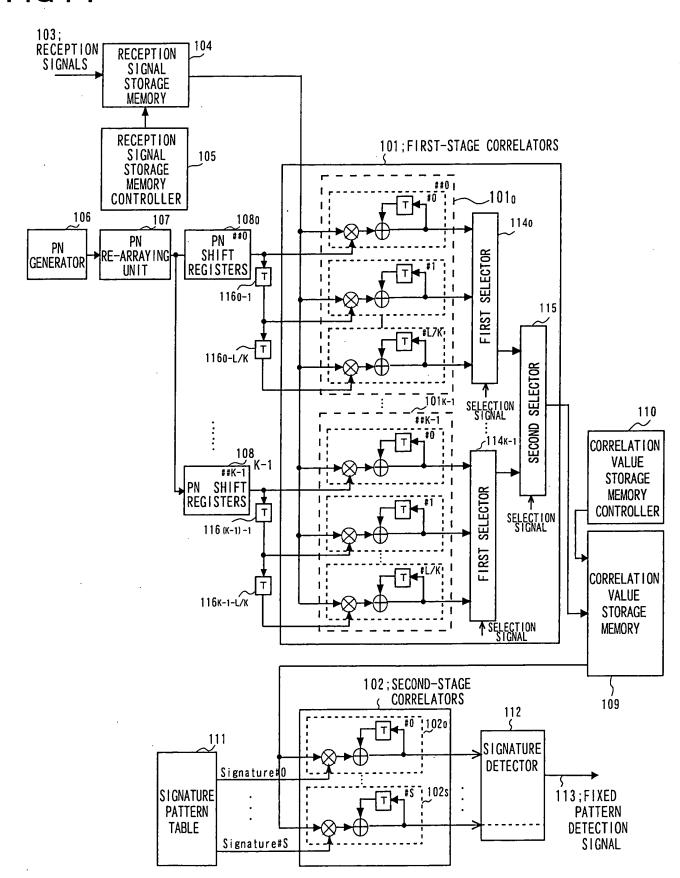
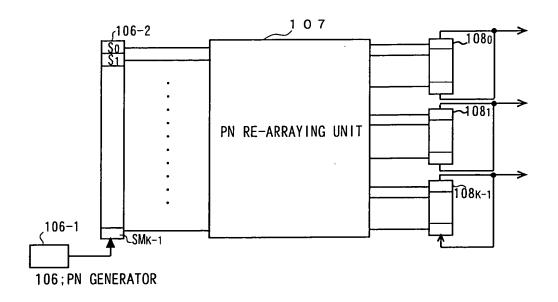
FIG . 1



#### FIG . 2



#### FIG. 3

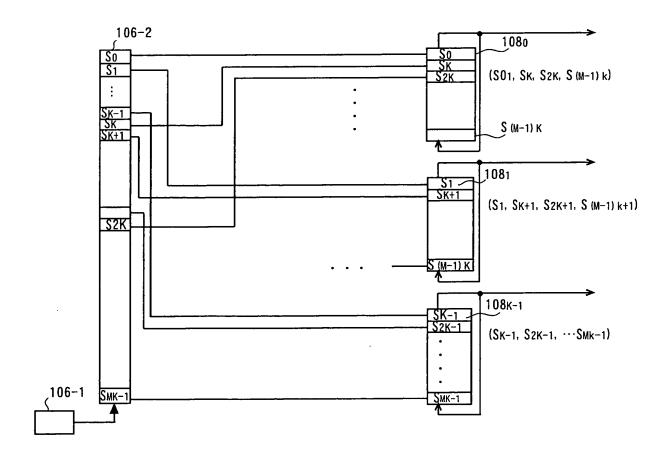
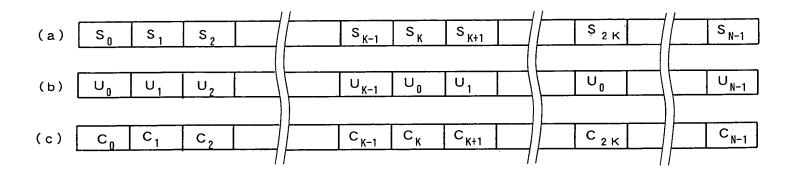


FIG. 4



## FIG. 5

M+L/K-1					C(+(M-1)KS(M-1)K				CL+(M-1)KS(M-1)K+1				CL+(M-1)XS(M-1)K+2					CL+(M-1)KSMK-1
::	« »	* =	÷ :	* ×	     	   	F *	*										
<b>1</b> +₩			G(M+1)KS(M-1)K											-\$				
×		CMKS(M-1)K	CMKS(N-2)K				CMKS(M-1)K+1							" <del>"</del>		CMKSMK-1		
M-1	C(M-1)KS(M-1)K		C(M-1)XS(M-3)X CMXS(M-2)X C(M+1)XS(M-1)X			G(H-1)XS(H-1)X+1				C(14-1)KS(14-1)K+2					C(M-1)XSMK-1			
. <u>ii.</u>				L	» «	<i>"</i>	<i>u</i>	"						<b>%</b>				
L/K	••••				$C_1S_0$	•••••			C <sub>L</sub> S <sub>1</sub>				C <sub>1</sub> S <sub>2</sub>					C <sub>L</sub> S <sub>K-1</sub>
.#.	)) //	<b>*</b> *	<i>"</i>	"	" «	<i>"</i>	)) ((	"						<del>%</del>			• ·	
2	C2KS2K	CzkSk	C <sub>2K</sub> S <sub>0</sub>			C2KS2K+1	C2KSK+1	i		CaxSax+2	C <sub>2K</sub> S <sub>K+2</sub>				1 CzĸS3ĸ-1	C2KS2K-1	••	
1	C <sub>K</sub> S <sub>K</sub>	C <sub>K</sub> S <sub>0</sub>				G <sub>K</sub> S <sub>K+1</sub>	C <sub>t</sub> S <sub>1</sub>			C <sub>K</sub> S <sub>K+2</sub>	C <sub>K</sub> S <sub>2</sub>			*	C <sub>K</sub> S <sub>2K-1</sub>	C <sub>K</sub> S <sub>K-1</sub>	••	
0	c <sub>o</sub> s <sub>o</sub>					C <sub>0</sub> S <sub>1</sub>				C <sub>0</sub> S <sub>2</sub>				<i>"</i>	C <sub>0</sub> S <sub>K-1</sub>			
	<b>₽</b>	#1	#2		#L/K	₽	#1		#L/K	0#	#1		#L/K	"	<b>Q</b> #	#		#(_K
	СОККЕ LA ТО # # О # #					# <del></del>		CORF	# OCK	18 90 # 04	TAJ∃≾	CORE		# # B B C		אצנו	ဝ၁	

### FIG. 6

M+I/K-1					C1+(M-1)X+1S(M-1)X				CL+(M-1)K+1S(M-1)K+1			C+(M-1)K+1S(M-1)K+2					CL+(M-1)K+1SMK-1
:	* ×	a a	#	<u> </u>	* *	æ =	æ *	<b>*</b>									
M+1			C(#+1)K+1S(#-1)K														
×		CMK+1S(M-1)K	CMK+1S(M-2)K				CMK+1S(M-1)K+1						-\$\$ -\$\$		CMK+1SMK-1		
7-₩	C(M-1)K+1S(M-1)K	C(M-1)K+1S(M-2)K CMK+1S(M-1)K	CE-1X+1S(H-3)K   CEK+1S(H-2)K   C(H-1X+1S(H-1)K			C(M-1)K+1S(M-1)K+1				C(M-1)K+1S(M-1)K+2				C(M-1)K+1SMK-1			
. <i>ii</i> .	≈ ≥		≈ ≥		۶ ۲	<i>"</i>	" «	<b>"</b>					<i>**</i>				
Ž					G-150				C <sub>L+1</sub> S <sub>1</sub>			G <sub>L+1</sub> S <sub>2</sub>	<b>%</b>				CL+1SK-1
::	<b>R</b> ¥	<u>.</u> 5	<u> </u>	<i>"</i>	<i>"</i>		<i>"</i> «	"					<b>%</b>			• •	
2	Czk+1Szk	C <sub>2K+1</sub> S <sub>K</sub>	C2K+1So			CK+1SK+1 CZK+1SZK+1	C2K+1SK+1			CK+1SK+2 C2K+1S2K+2	C2K+1SK+2		)) 	CK+1S2K-1 C2K+1S3K-1	Czk+1Szk-1	••	
1	C <sub>K+1</sub> S <sub>K</sub>	CK+1S0				C <sub>K+1</sub> S <sub>K+1</sub>	C <sub>K+1</sub> S <sub>1</sub>			GK+1SK+2	G <sub>K+1</sub> S <sub>2</sub>		-55-	GK+1S2K-1	C <sub>K+1</sub> S <sub>K-1</sub>		
0						C,S,	,			C <sub>1</sub> S <sub>2</sub>			» "	C <sub>1</sub> S <sub>K-1</sub>			
	Q#	#1	#2		#L/K	¥	#1		#L/K	0#	#1	#[/K		#	<u>=</u>		#L/K
	O## COBBETATOR BLOCK					# <b>−</b>		COE		18 RO.	COBE		# # 8 BC		אצבו	ဝ၁	

FIG . 7

	=	***************************************	1	2		K
X t	#	CORRELATOR #O	D <sub>0</sub> U <sub>0</sub>	D <sub>1</sub> U <sub>0</sub>		$D_{K-1}U_0$
CORRELATOR BLOCK	# 0	CORRELATOR #1	D <sub>K</sub> U <sub>0</sub>	D <sub>K+1</sub> U <sub>0</sub>		$D_{2K-1}U_0$
ATO	•	CORRELATOR #2	D <sub>2K</sub> U <sub>0</sub>	$D_{2K+1}U_0$		D <sub>3K-1</sub> U <sub>0</sub>
, KE			:	:		:
SO		CORRELATOR #L/K	D <sub>L</sub> U <sub>0</sub>	D <sub>L+1</sub> U <sub>0</sub>		$D_{L+K-1}U_1$
Š,	#	CORRELATOR #O	D <sub>-1</sub> U <sub>1</sub>	D₀Ut	,	D <sub>K-2</sub> U <sub>1</sub>
	#	CORRELATOR #1	D <sub>K-1</sub> U <sub>1</sub>	D <sub>K</sub> U <sub>1</sub>		D <sub>2K-2</sub> U <sub>1</sub>
ATO		CORRELATOR #2	D <sub>2K-1</sub> U <sub>1</sub>	D <sub>2K</sub> U <sub>1</sub>	••••	D <sub>3K-2</sub> U <sub>1</sub>
		•				<u> </u>
8		CORRELATOR #L/K	$D_{L-1}U_1$	D <sub>L</sub> U <sub>1</sub>	• • • •	DL+K-2U0
₹	'n	· · ·	¥ : ^	ž : ^	2	¥ : ^
Š,	# #	CORRELATOR #O	D-(K-1)UK-1	D-K+2UK-1		D <sub>0</sub> U <sub>K-1</sub>
H		CORRELATOR #1	$D_1U_{K-1}$	D <sub>2</sub> U <sub>K-1</sub>	4	D <sub>K</sub> U <sub>K-1</sub>
CORRELATOR BLOCK	<b>(</b> -1	CORRELATOR #2	D <sub>K+1</sub> U <sub>K-1</sub>	D <sub>K+2</sub> U <sub>K-1</sub>		D <sub>2K</sub> U <sub>K-1</sub>
REL						
		CORRELATOR #L/K	D <sub>L-(K-1)</sub> U <sub>K-1</sub>	DL-K+2UK-1		$D_LU_{K-1}$

#### FIG . 8(a)

##0#0 CoSo+CkSk+···+C (M-1) KS (M-1) K

IMPUT DATA Co

RECEPTION SIGNAL So

#### FIG . 8(b)

##1#0 C1S1+CK+1SK+1···C (M-1) K+1S (M-1) K+1

IMPUT DATA

C1

\*\*\*CEPTION SIGNAL S0 S1

\*\*\*T#0 C1S1+CK+1SK+1···C (M-1) K+1S (M-1) K+1

\*\*\*CEPTION SIGNAL S0 S1

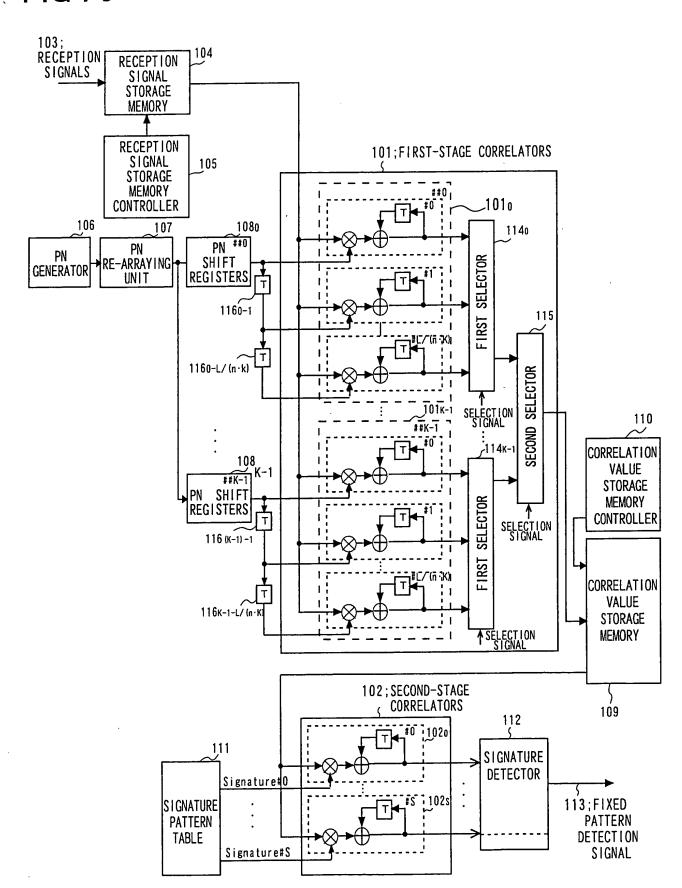
\*\*\*T#0 C1S1+CK+1SK+1···C (M-1) K+1S (M-1) K+1

\*\*\*CEPTION SIGNAL S0 S1

\*\*\*T#0 C1S1+CK+1SK+1···C (M-1) K+1S (M-1) K+1

\*\*\*CEPTION SIGNAL S0 S1

FIG. 9



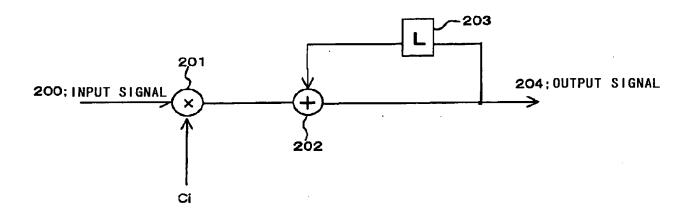
# -1G . 10

M+L/(n-K)-1					C/+(M-1)KS(M-1)K				G				G-/2+(M-1)KS(M-1)K+2					G. mila swSuv.
::	ຂ ຮ	<b>"</b>	a *	æ 5			<i>"</i>	*	び				J					_C
<b>*</b>			C(1#+1)KS(14-1)K											-%				
Σ		CMKS(M-1)K	CMKS(14-2)K				CMKS(M-1)K+1							<i>"</i>		CurSuk-1		
M-1	" C(M-1)KS(M-1)K	C(M-1)KS(M-2)K CMKS(M-1)K	C(W-1)KS(W-3)K CMKS(W-2)K C(W+1)KS(W-1)K			C(M-1)KS(M-1)K+1				C(M-1)KS(M-1)K+2					C(M-1)KSMK-1			
Э.	≈ ⊌	<b>*</b> \$	2 8		≈ ≥	<b>%</b>		*						<del>\$</del>				
L/(n·k)	•				C <sub>1</sub> /s				C <sub>L</sub> ,S <sub>1</sub>				GS					ر
.2	≈ ⊌	<b>≈</b> ≥	<i>*</i>	<i>"</i>	<b>≈</b> ≥	1 1	<i>"</i>	<b>*</b>						<del>-</del> %			••	
2	CzĸSzĸ	CzkSk	CzxSo			C2KS2K+1	C2KSK+1	:		CKSK+2 C2KS2K+2	C2KSK+2				GrSzk-1 CzrSzk-1	C2KS2K-1	••	
-	C <sub>K</sub> S <sub>K</sub>	C <sub>K</sub> S <sub>0</sub>				C <sub>K</sub> S <sub>K+1</sub>	C <sub>K</sub> S <sub>1</sub>			C <sub>K</sub> S <sub>K+2</sub>	C <sub>K</sub> S <sub>2</sub>			* <del>*</del>	G <sub>K</sub> S <sub>2K-1</sub>	C <sub>K</sub> S <sub>K-1</sub>	•••	
0	C <sub>0</sub> S <sub>0</sub>					C <sub>0</sub> S <sub>1</sub>				C <sub>0</sub> S <sub>2</sub>					C <sub>0</sub> S <sub>K-1</sub>		•••	
	0#	1#1	#2		#L/(n·K)	0#	#1		#[/(n·K)	0#	#1		#[/(n-K)	*	0#	#1		#1 // n. K
	<b>О## О</b>				#	#-			#	# <b>(</b> )	יברעו			# # ; В вго		עעבו	101	

FIG . 11

		1	2		K
× #	CORRELATOR#O	D₀U₀	D₁U₀		D <sub>K-1</sub> U <sub>0</sub>
CORRELATOR BLOCK	CORRELATOR#1	DĸU₀	$D_{K+1}U_0$		D <sub>2K-1</sub> U <sub>0</sub>
ATO	CORRELATOR#2	D <sub>2K</sub> U <sub>0</sub>	D <sub>2K+1</sub> U <sub>0</sub>		$D_{3K-1}U_0$
REL	•	•	:		:
S.	CORRELATOR#L/(n·K)	$D_{U_0}U_0$	$D_{U_{n+1}}U_0$		$D_{L/n+K-1}U_0$
% #	CORRELATOR#O	D <sub>-1</sub> U <sub>1</sub>	D <sub>0</sub> U <sub>1</sub>		D <sub>K-2</sub> U <sub>1</sub>
CORRELATOR BLOCK	CORRELATOR#1	$D_{K-1}U_1$	D <sub>K</sub> U <sub>1</sub>	• • • •	D <sub>2K-2</sub> U <sub>1</sub>
ATO.	CORRELATOR#2	$D_{2K-1}U_1$	D <sub>2K</sub> U <sub>1</sub>	••••	$D_{3K-2}U_0$
l iii	:	:	:		<u> </u>
8	CORRELATOR#L/(n·K)	$D_{L/n-1}U_1$	$D_{L/n}U_1$	• • • •	D <sub>L/n+K-2</sub> U <sub>0</sub>
¥ /	<b>ታ</b> :	÷	<b>•</b> ; ?	<i> :</i>	<u>*</u> : 3
# 0CK	CORRELATOR#O	$D_{-(K-1)}U_{K-1}$	D <sub>-K+2</sub> U <sub>K-1</sub>		D <sub>0</sub> U <sub>K-1</sub>
₩ ₩	CORRELATOR#1	$D_1U_{K-1}$	D₂U <sub>K-1</sub>	• • • •	$D_KU_{K-1}$
CORRELATOR BLOCK	correlator#2	D <sub>K+1</sub> U <sub>K-1</sub>	D <sub>K+2</sub> U <sub>K-1</sub>	• • • •	D <sub>2K</sub> U <sub>K-1</sub>
REL				• • • •	
COR	CORRELATOR#L/(n·K)	$D_{L/n^{-}(K^{-1})}U_{K^{-1}}$	DL/n-K+2UK-1		$D_{L/n}U_{K-1}$

FIG . 12



#### FIG . 13

